

Nicolas Amigo

Relocating to Tulsa, OK | nicoamigosa@outlook.com | (539) 222-1499 | [LinkedIn](#) | [Kaggle](#)

PROFESSIONAL EXPERIENCE

Data scientist | Mutua Madrileña - Madrid, Spain

Oct 2023 – Present

- Implemented an OpenAI-powered chatbot with Retrieval-Augmented Generation (RAG), deployed in Palantir Foundry, enhancing compliance query accuracy for insurance teams by 30%.
- Designed and deployed a vector-based search assistant with Azure AI Search, improving internal information retrieval speed by 45% for 10+ stakeholders.
- Built Next Best Action predictive models with NLP and boosting algorithms, automating claims management and decreasing churn rate.
- Developed computer vision models for vehicle damage classification using transfer learning, reducing claim assessment time.

Research engineer | Universidad Politecnica de Madrid - Madrid, Spain

Feb 2023 – Jul 2023

- Developed machine learning and deep learning models for malware classification, achieving +95% accuracy in anomaly-based cyber-attack detection.
- Integrated explainable AI (XAI) techniques, increasing transparency of cybersecurity decisions for research teams.

Data & Analytics Consultant | EY - Madrid, Spain

Oct 2022 – Jan 2023

- Built data models and automated SQL reporting pipelines for Santander Consumer Finance, reducing operational analysis time.
- Developed interactive Power BI dashboards, improving business intelligence insights for client stakeholders.

SKILLS

Machine Learning & AI: Supervised Learning, Deep Learning, NLP, Computer Vision, Generative AI.

Programming & tools: Python (*Pandas, TensorFlow, PyTorch, Scikit-learn, XGBoost, Hugging Face, Streamlit*), PySpark, R, SQL, Git.

Databases & Visualization: Microsoft SQL Server, Power BI, Microsoft Excel.

Cloud & Platforms: Azure AI Search, Azure OpenAI, Databricks, Palantir Foundry.

Languages: Fluent English, Native Spanish.

EDUCATION

Master in Data Science | Universidad Politecnica de Madrid - Madrid, Spain

2022 – 2023

Bachelor in Computer Science | The University of Tulsa - Tulsa, OK - GPA: 4.0/4.0

2021 – 2022

Bachelor in Computer Science | Universidad de Cantabria - Santander, Spain

2018 – 2022

CERTIFICATIONS

Microsoft Certified: Azure AI Fundamentals

2025